FIG. 1

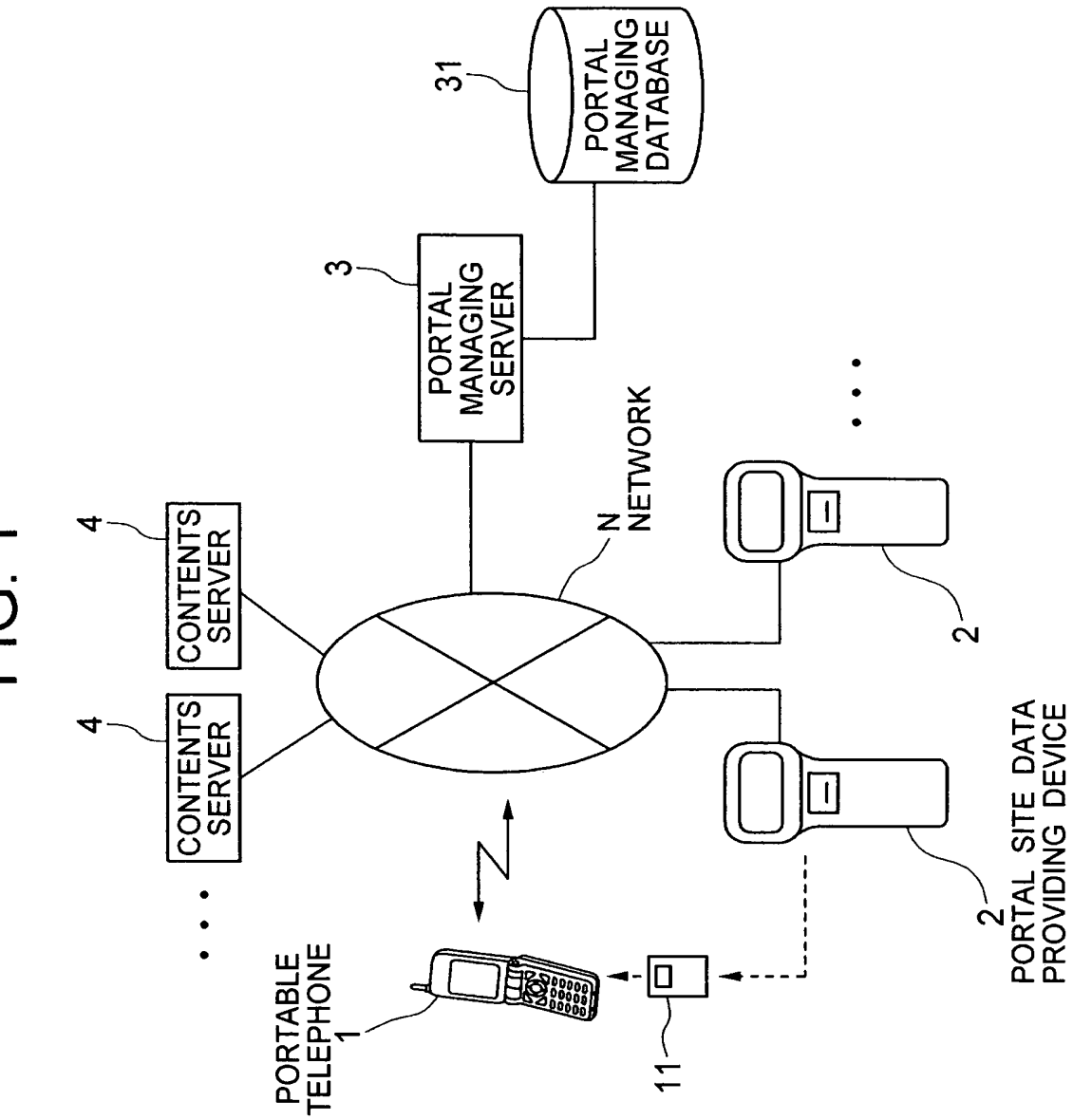
31
PORTAL MANAGING DATABASE
3
PORTAL MANAGING SERVER
N
NETWORK
4
CONTENTS SERVER
4
CONTENTS SERVER
PORTABLE TELEPHONE
1
11
2
2
PORTAL SITE DATA PROVIDING DEVICE

FIG. 2A

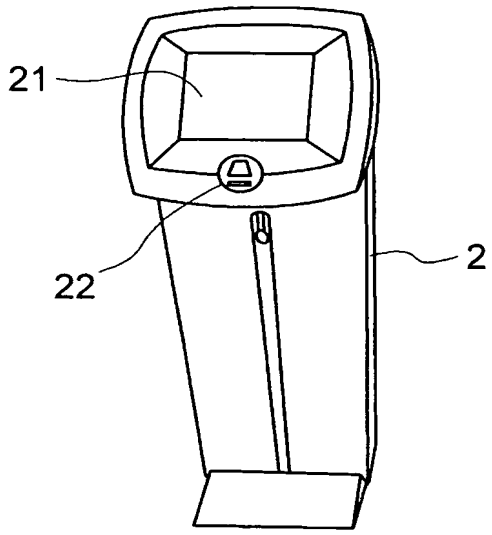
21
22
2

FIG. 2B

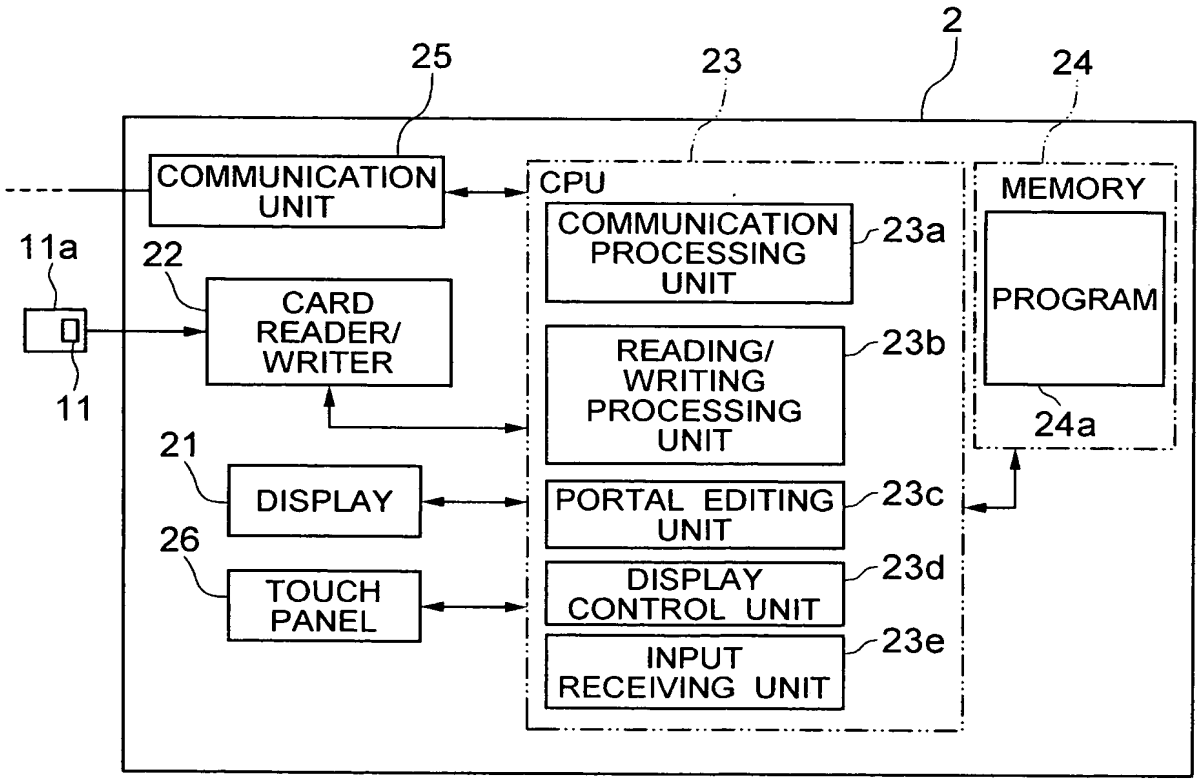
2
25
23
24
COMMUNICATION UNIT
CPU
MEMORY
COMMUNICATION PROCESSING UNIT
23a
11a
22
CARD READER/ WRITER
READING/ WRITING PROCESSING UNIT
23b
PROGRAM
11
24a
21
DISPLAY
PORTAL EDITING UNIT
23c
26
TOUCH PANEL
DISPLAY CONTROL UNIT
23d
INPUT RECEIVING UNIT
23e

FIG. 3

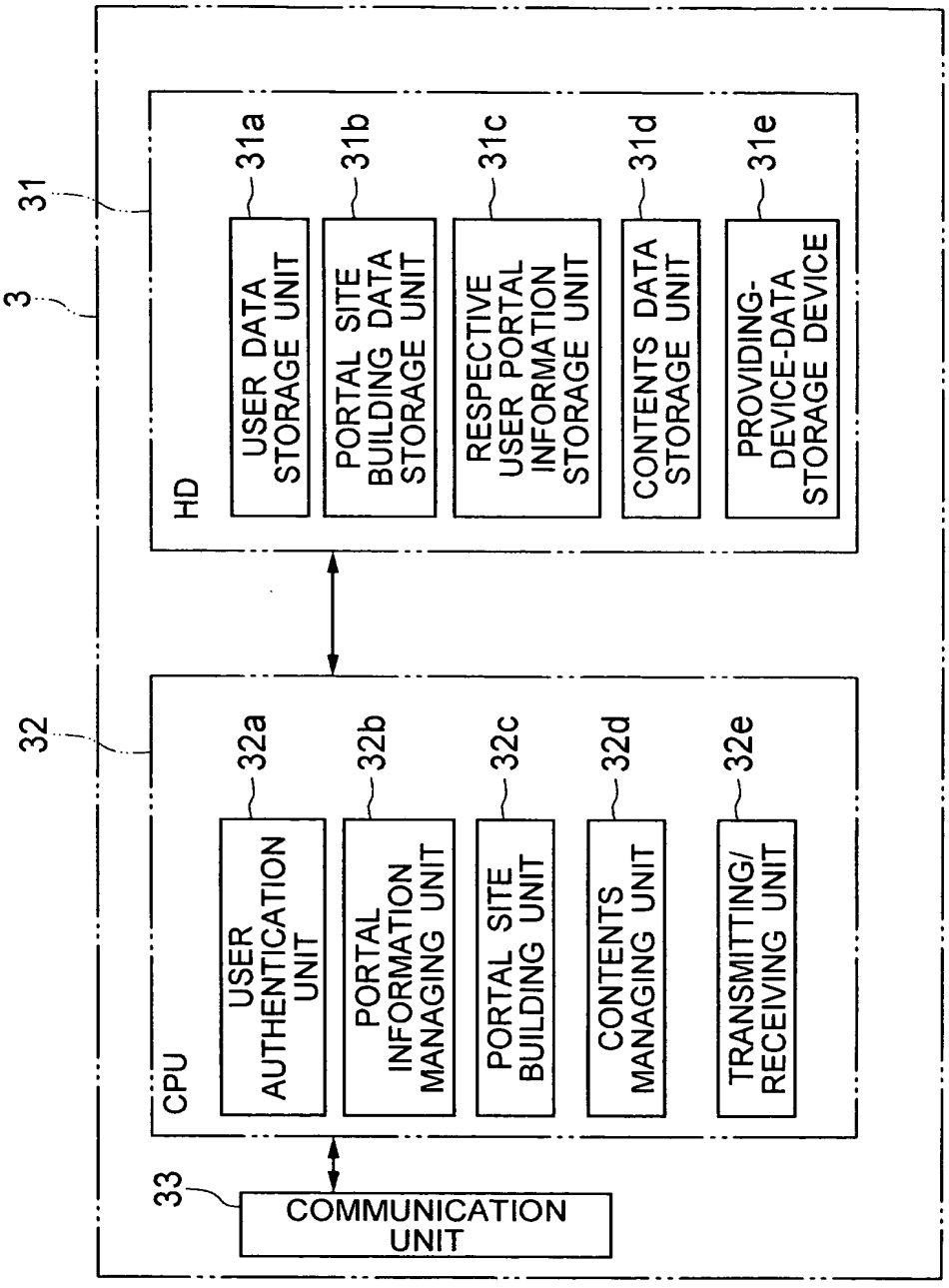
3
31
HD
31a
USER DATA STORAGE UNIT
31b
PORTAL SITE BUILDING DATA STORAGE UNIT
31c
RESPECTIVE USER PORTAL INFORMATION STORAGE UNIT
31d
CONTENTS DATA STORAGE UNIT
31e
PROVIDING-DEVICE-DATA STORAGE DEVICE
32
CPU
32a
USER AUTHENTICATION UNIT
32b
PORTAL INFORMATION MANAGING UNIT
32c
PORTAL SITE BUILDING UNIT
32d
CONTENTS MANAGING UNIT
32e
TRANSMITTING/ RECEIVING UNIT
33
COMMUNICATION UNIT

FIG. 4

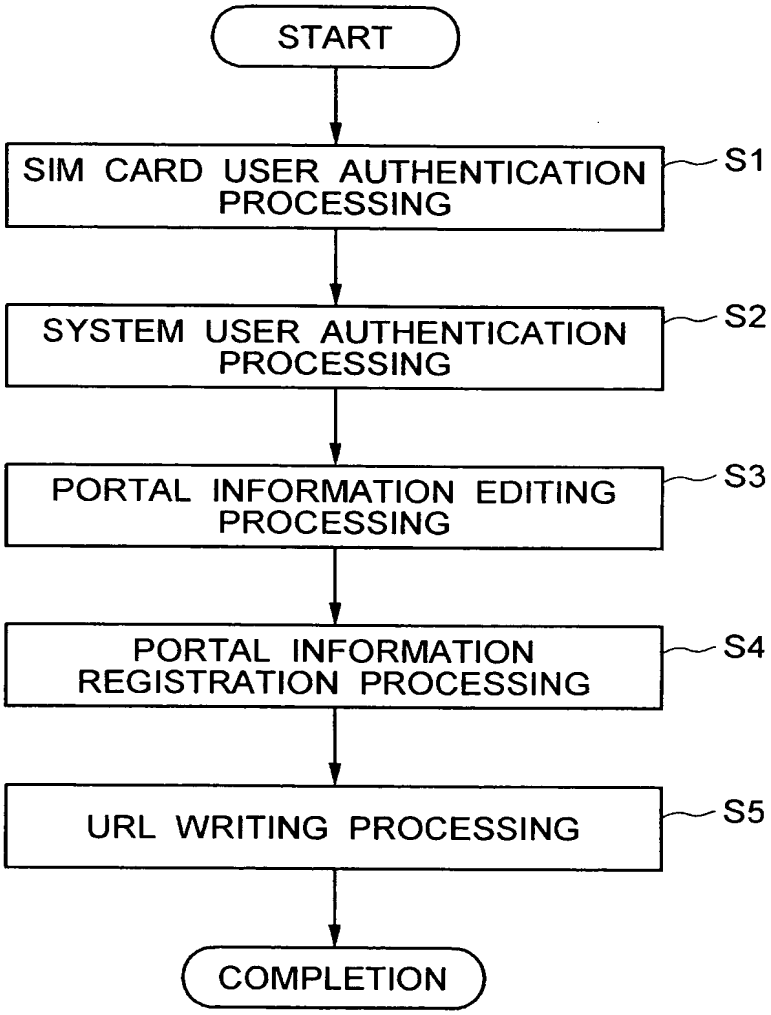
START
SIM CARD USER AUTHENTICATION PROCESSING
S1
SYSTEM USER AUTHENTICATION PROCESSING
S2
PORTAL INFORMATION EDITING PROCESSING
S3
PORTAL INFORMATION REGISTRATION PROCESSING
S4
URL WRITING PROCESSING
S5
COMPLETION

FIG. 5

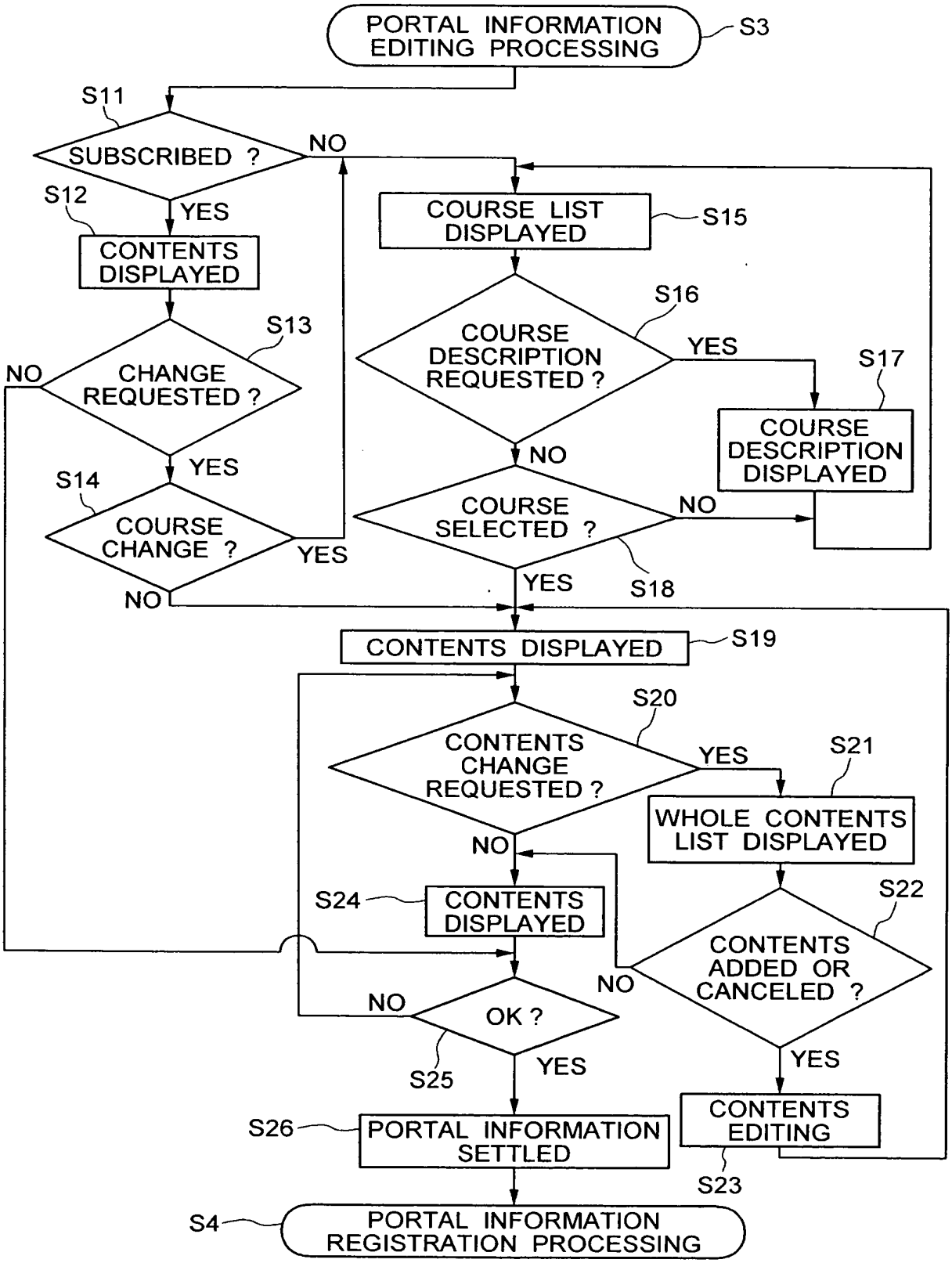
PORTAL INFORMATION EDITING PROCESSING
S3
S11
SUBSCRIBED ?
NO
YES
S12
CONTENTS DISPLAYED
S13
CHANGE REQUESTED ?
NO
YES
S14
COURSE CHANGE ?
YES
NO
COURSE LIST DISPLAYED
S15
S16
COURSE DESCRIPTION REQUESTED ?
YES
S17
COURSE DESCRIPTION DISPLAYED
NO
COURSE SELECTED ?
NO
YES
S18
CONTENTS DISPLAYED
S19
S20
CONTENTS CHANGE REQUESTED ?
YES
S21
WHOLE CONTENTS LIST DISPLAYED
NO
S24
CONTENTS DISPLAYED
S22
CONTENTS ADDED OR CANCELED ?
NO
YES
NO
OK ?
S25
YES
S26
PORTAL INFORMATION SETTLED
CONTENTS EDITING
S23
S4
PORTAL INFORMATION REGISTRATION PROCESSING

FIG. 6

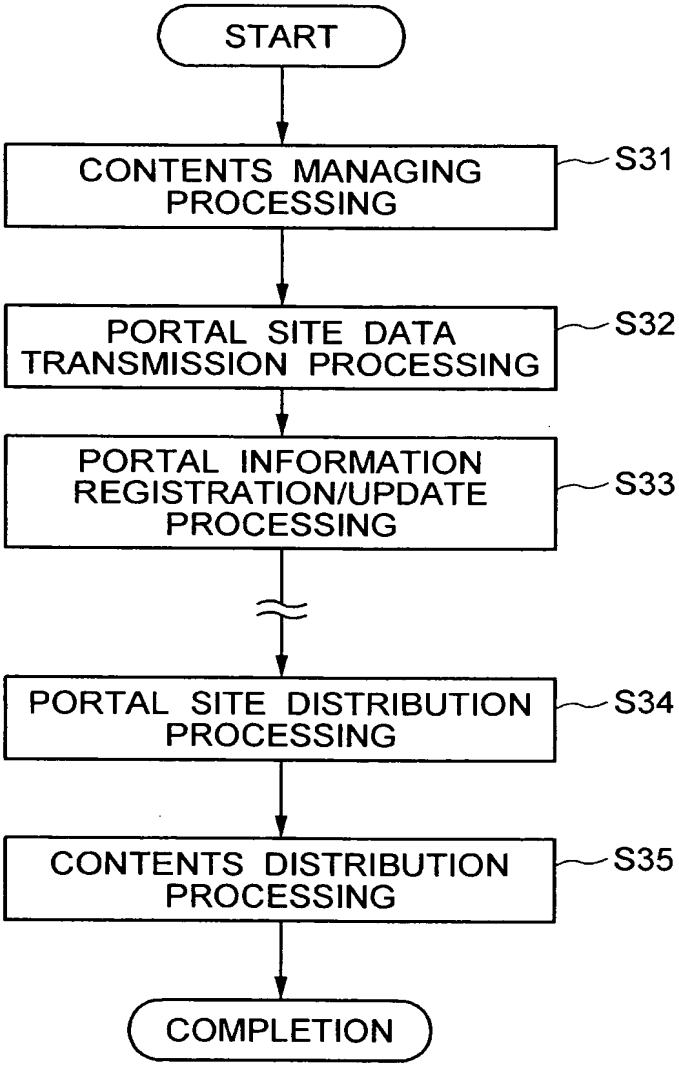
START
CONTENTS MANAGING PROCESSING
S31
PORTAL SITE DATA TRANSMISSION PROCESSING
S32
PORTAL INFORMATION REGISTRATION/UPDATE PROCESSING
S33
PORTAL SITE DISTRIBUTION PROCESSING
S34
CONTENTS DISTRIBUTION PROCESSING
S35
COMPLETION

FIG. 7

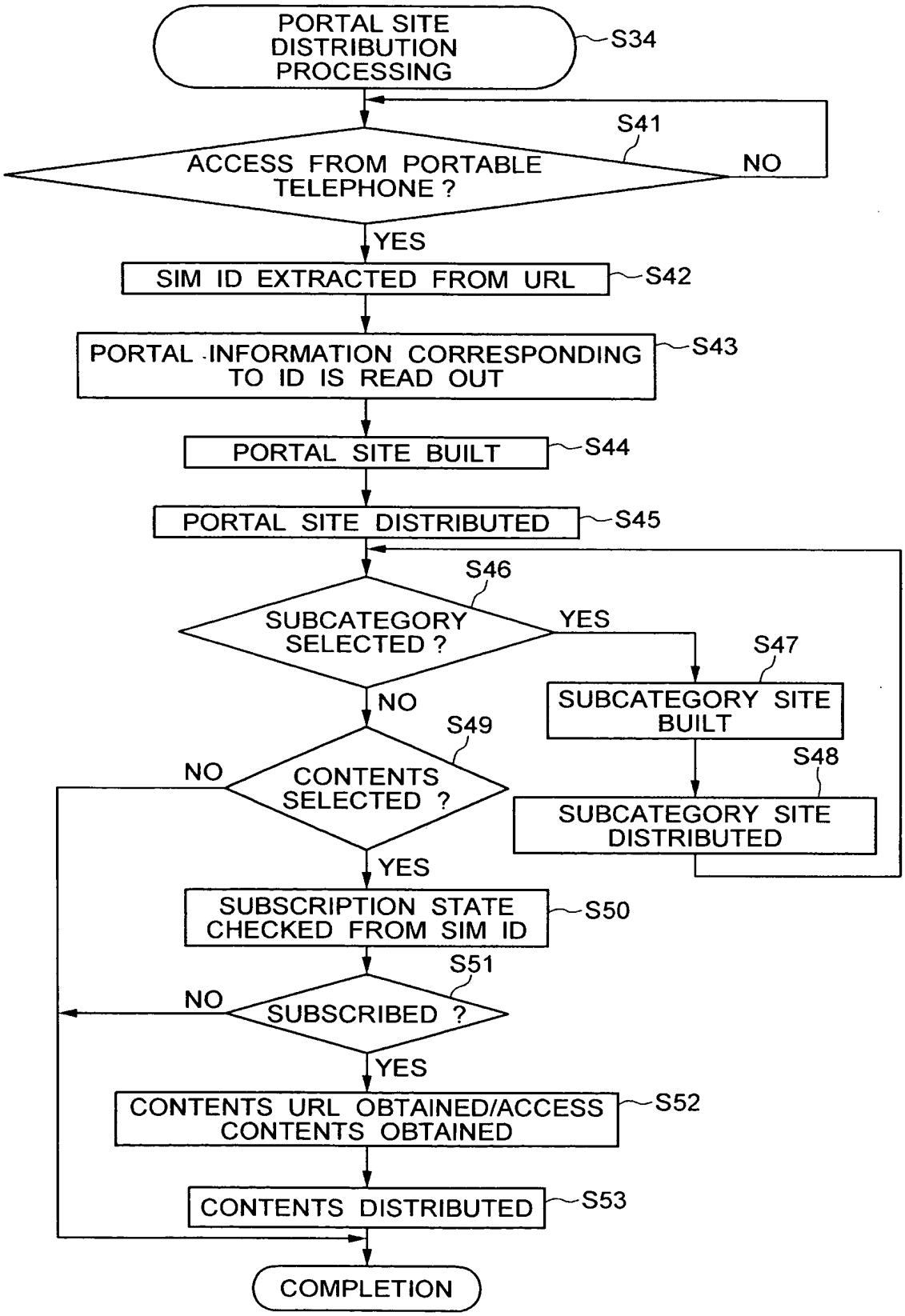
PORTAL SITE DISTRIBUTION PROCESSING
S34
S41
ACCESS FROM PORTABLE TELEPHONE ?
NO
YES
SIM ID EXTRACTED FROM URL
S42
PORTAL INFORMATION CORRESPONDING TO ID IS READ OUT
S43
PORTAL SITE BUILT
S44
PORTAL SITE DISTRIBUTED
S45
S46
SUBCATEGORY SELECTED ?
YES
S47
SUBCATEGORY SITE BUILT
NO
S49
NO
CONTENTS SELECTED ?
S48
SUBCATEGORY SITE DISTRIBUTED
YES
SUBSCRIPTION STATE CHECKED FROM SIM ID
S50
S51
NO
SUBSCRIBED ?
YES
CONTENTS URL OBTAINED/ACCESS CONTENTS OBTAINED
S52
CONTENTS DISTRIBUTED
S53
COMPLETION

FIG. 8

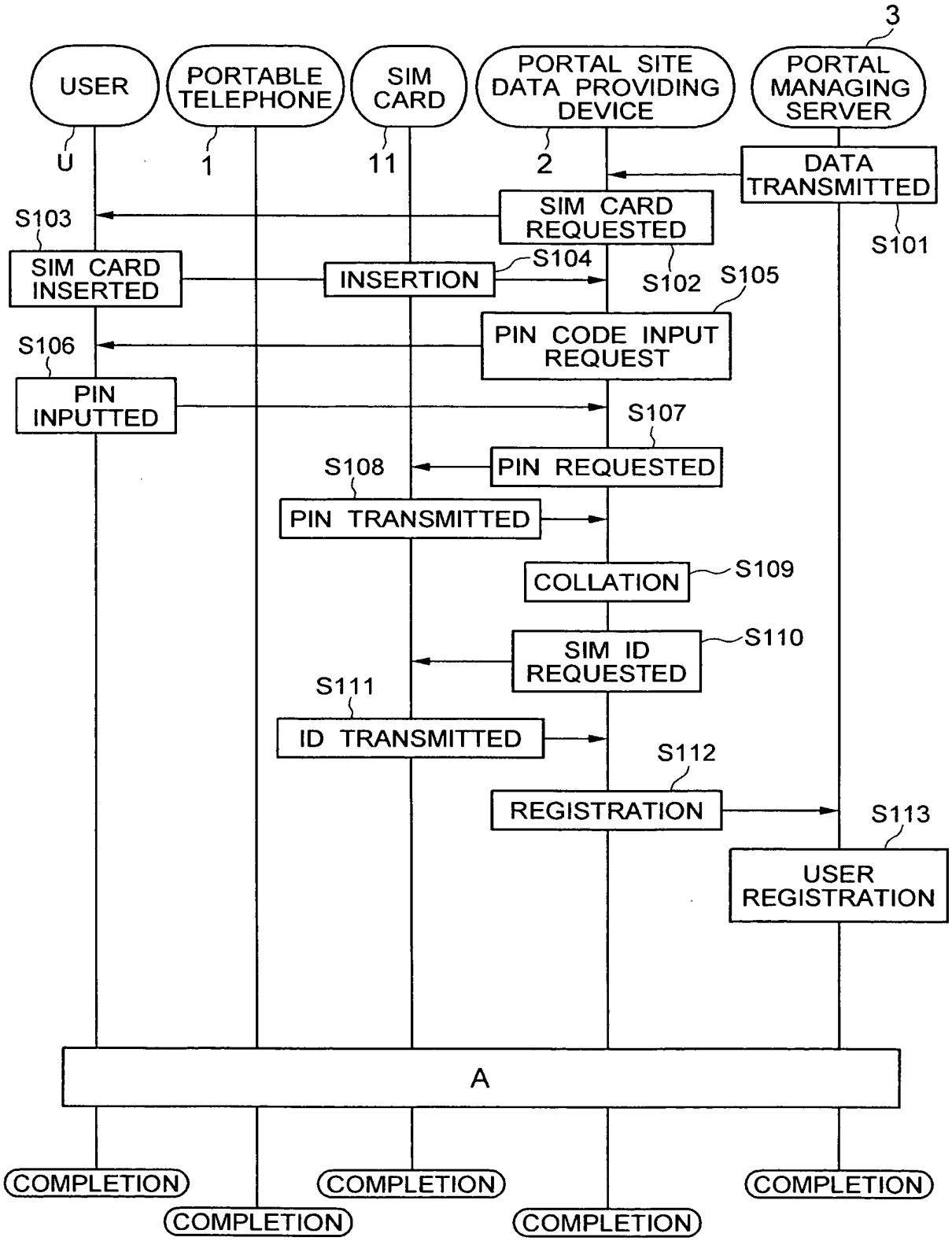
USER
PORTABLE TELEPHONE
SIM CARD
PORTAL SITE DATA PROVIDING DEVICE
PORTAL MANAGING SERVER
3
U
1
11
2
DATA TRANSMITTED
S101
SIM CARD REQUESTED
S102
S103
SIM CARD INSERTED
INSERTION
S104
S105
PIN CODE INPUT REQUEST
S106
PIN INPUTTED
S107
PIN REQUESTED
S108
PIN TRANSMITTED
COLLATION
S109
SIM ID REQUESTED
S110
S111
ID TRANSMITTED
S112
REGISTRATION
S113
USER REGISTRATION
A
COMPLETION
COMPLETION
COMPLETION
COMPLETION
COMPLETION

FIG. 9

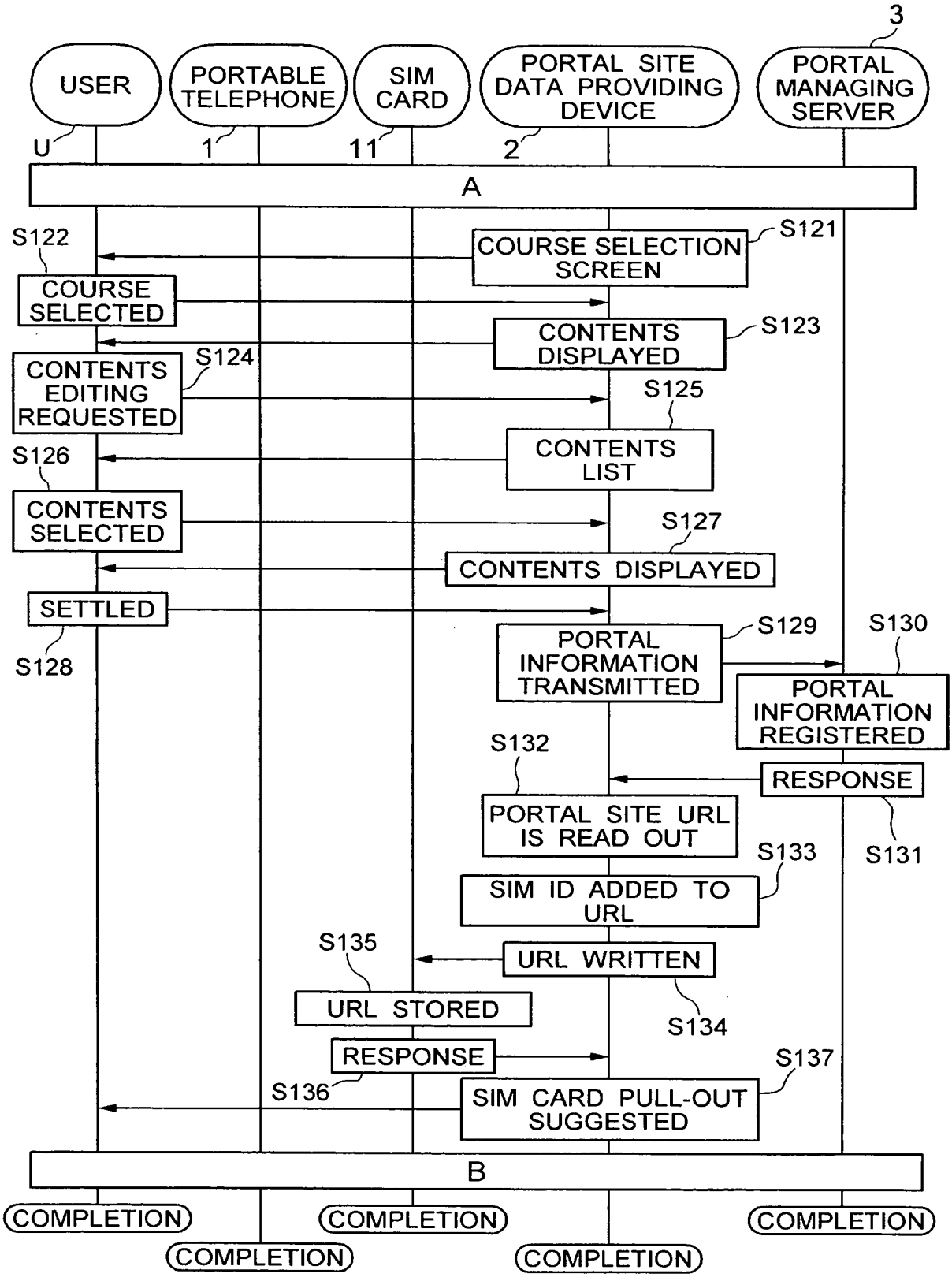
USER
PORTABLE TELEPHONE
SIM CARD
PORTAL SITE DATA PROVIDING DEVICE
PORTAL MANAGING SERVER
3
U
1
11
2
A
S122
COURSE SELECTION SCREEN
S121
COURSE SELECTED
CONTENTS DISPLAYED
S123
CONTENTS EDITING REQUESTED
S124
S125
CONTENTS LIST
S126
CONTENTS SELECTED
S127
CONTENTS DISPLAYED
SETTLED
S128
PORTAL INFORMATION TRANSMITTED
S129
S130
PORTAL INFORMATION REGISTERED
S132
RESPONSE
PORTAL SITE URL IS READ OUT
S131
S133
SIM ID ADDED TO URL
S135
URL WRITTEN
URL STORED
S134
RESPONSE
S137
S136
SIM CARD PULL-OUT SUGGESTED
B
COMPLETION
COMPLETION
COMPLETION
COMPLETION

FIG. 10

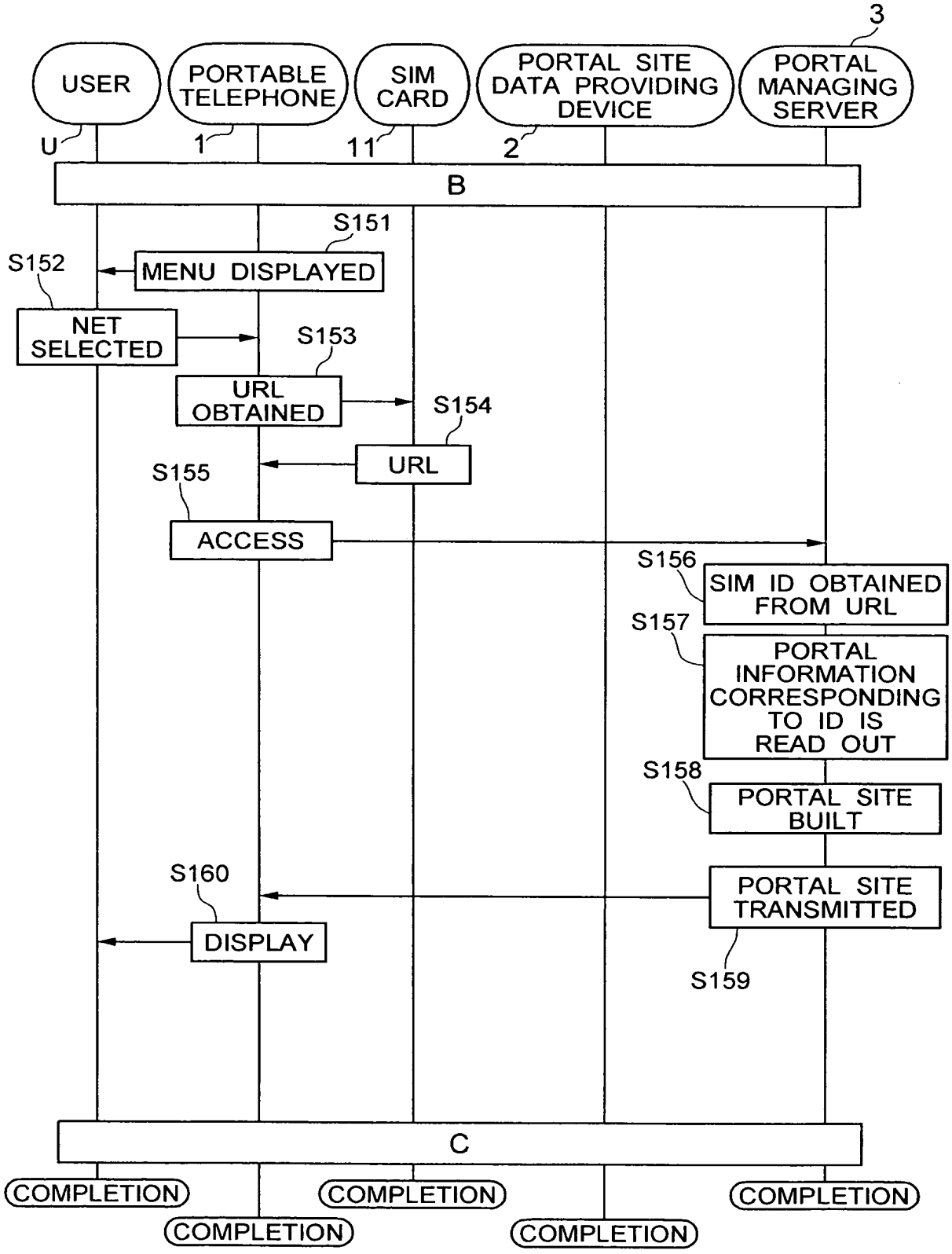
USER
PORTABLE TELEPHONE
SIM CARD
PORTAL SITE DATA PROVIDING DEVICE
PORTAL MANAGING SERVER
3
U
1
11
2
B
S151
MENU DISPLAYED
S152
NET SELECTED
S153
URL OBTAINED
S154
URL
S155
ACCESS
S156
SIM ID OBTAINED FROM URL
S157
PORTAL INFORMATION CORRESPONDING TO ID IS READ OUT
S158
PORTAL SITE BUILT
S160
PORTAL SITE TRANSMITTED
DISPLAY
S159
C
COMPLETION
COMPLETION
COMPLETION
COMPLETION
COMPLETION

FIG. 11

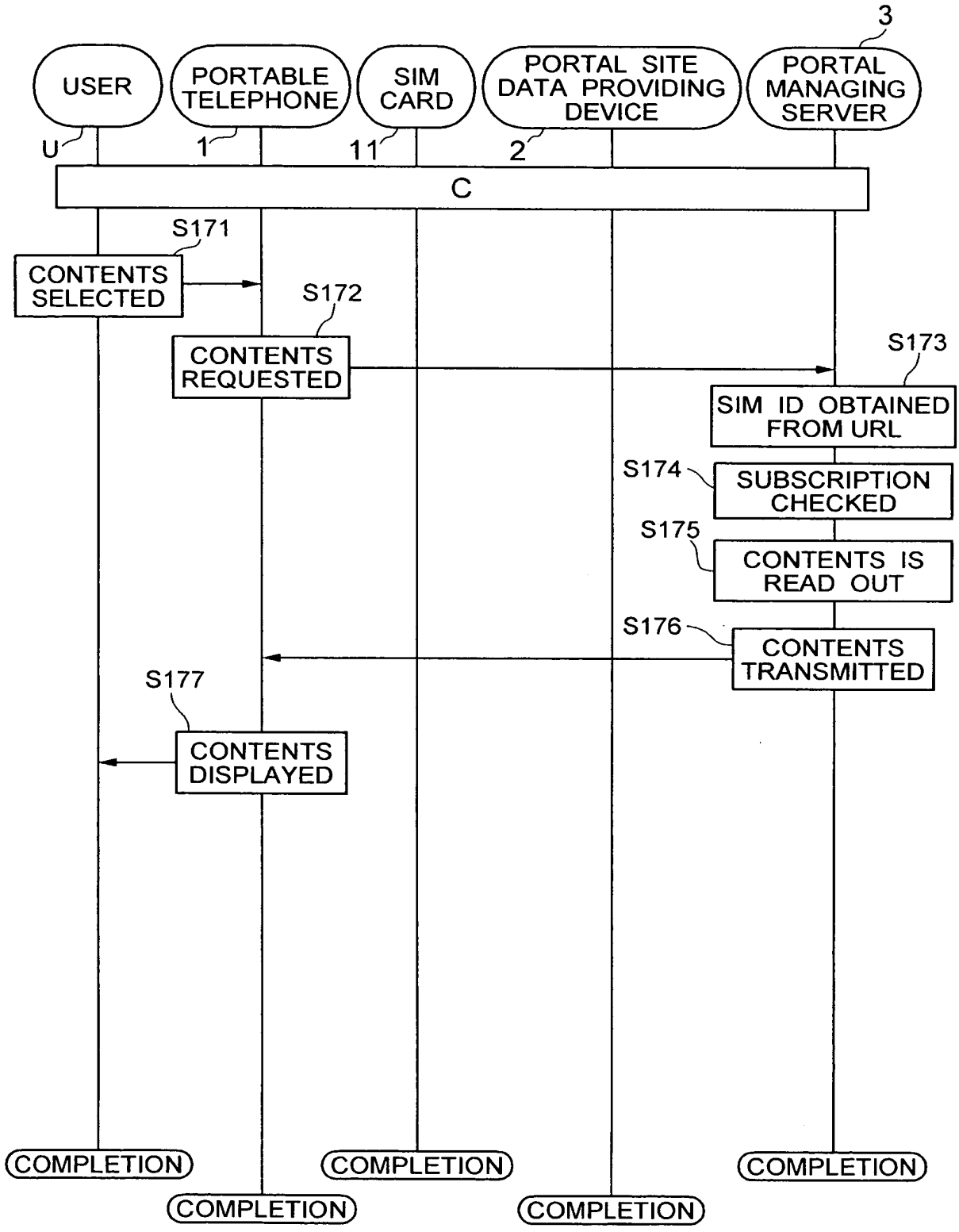
USER
PORTABLE TELEPHONE
SIM CARD
PORTAL SITE DATA PROVIDING DEVICE
PORTAL MANAGING SERVER
3
U
1
11
2
C
S171
CONTENTS SELECTED
S172
CONTENTS REQUESTED
S173
SIM ID OBTAINED FROM URL
S174
SUBSCRIPTION CHECKED
S175
CONTENTS IS READ OUT
S176
CONTENTS TRANSMITTED
S177
CONTENTS DISPLAYED
COMPLETION
COMPLETION
COMPLETION
COMPLETION
COMPLETION

FIG. 12A

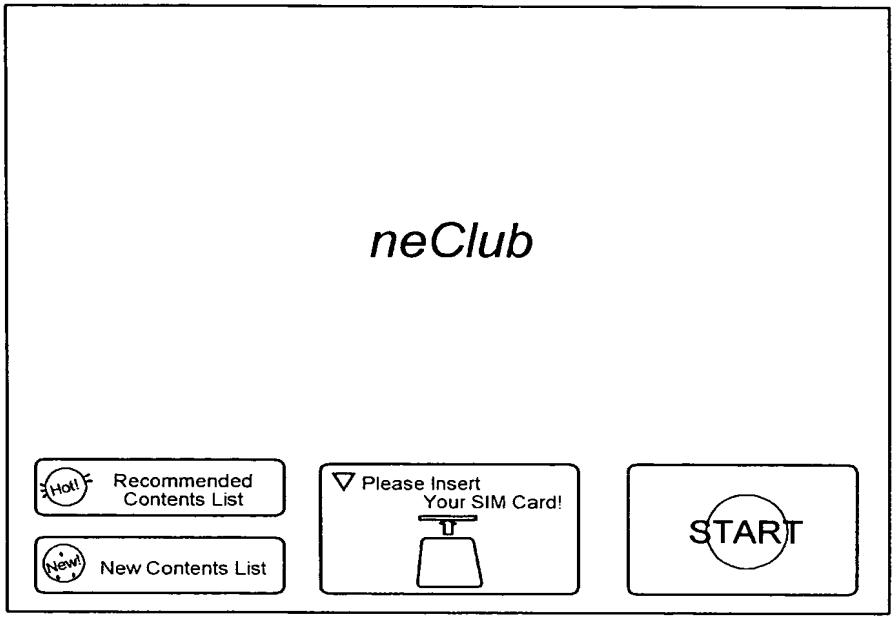

FIG. 12B

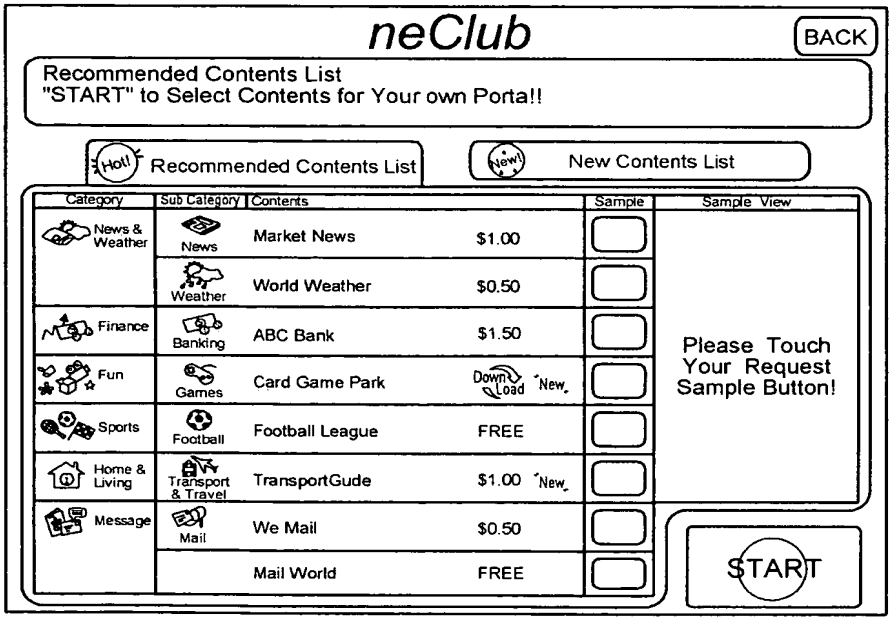

FIG. 13A

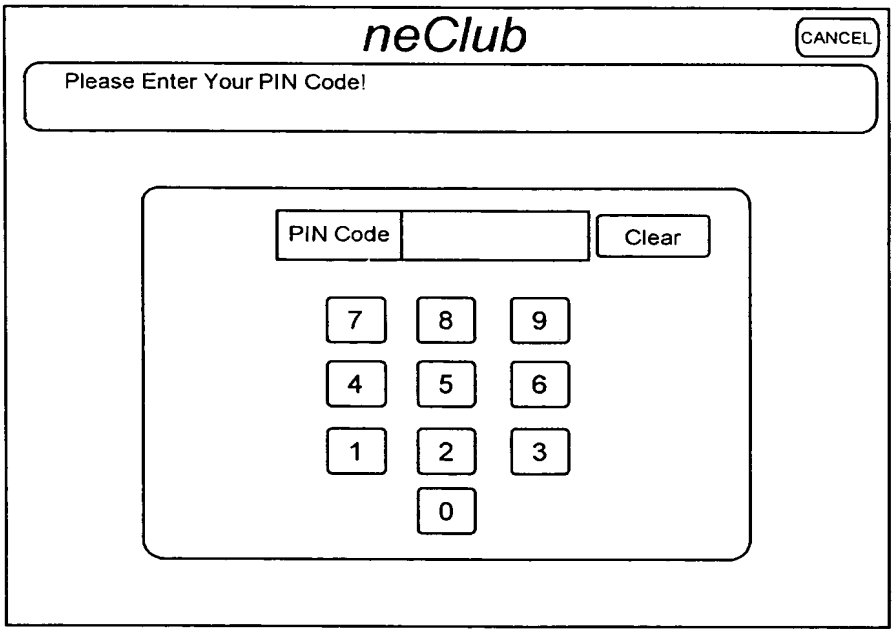

FIG. 13B

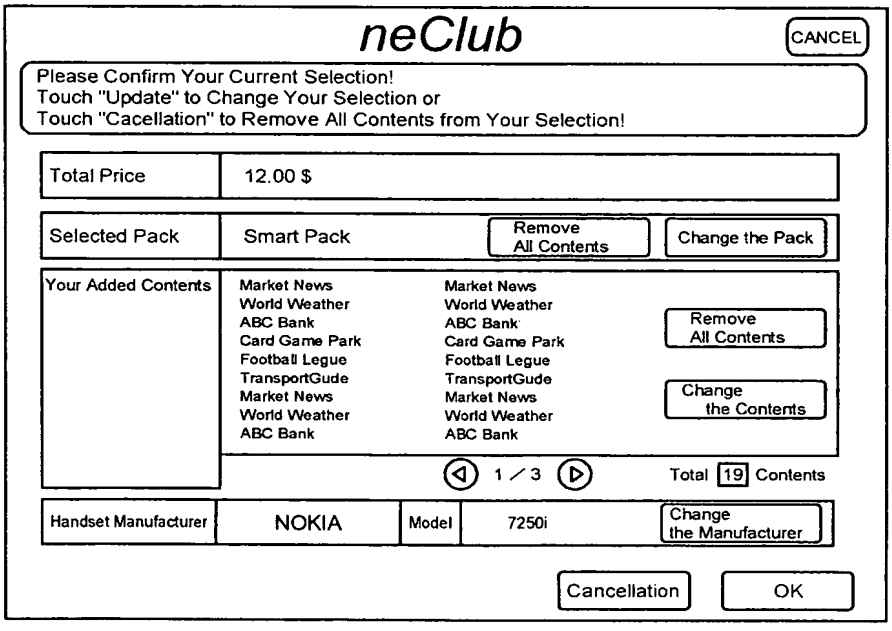

FIG. 14A

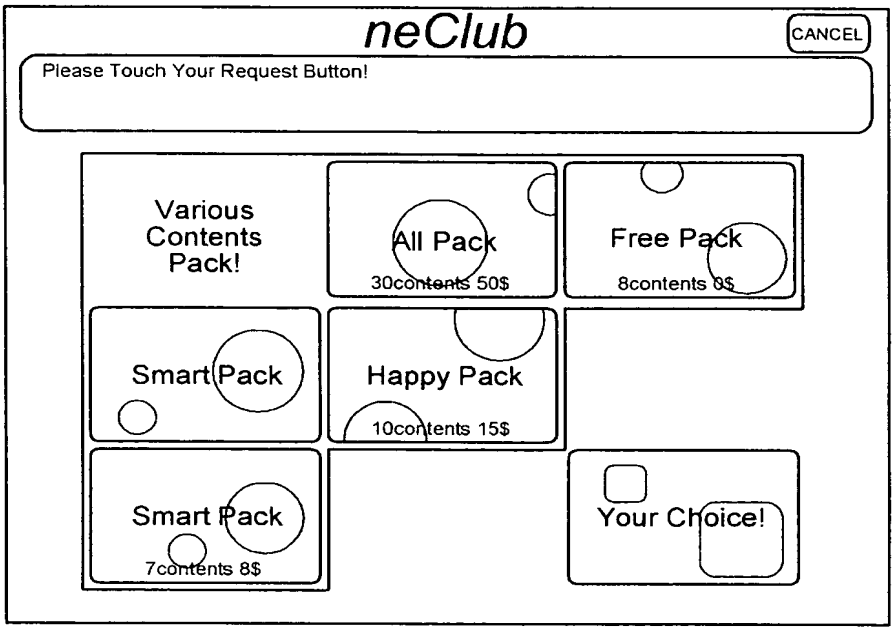

FIG. 14B

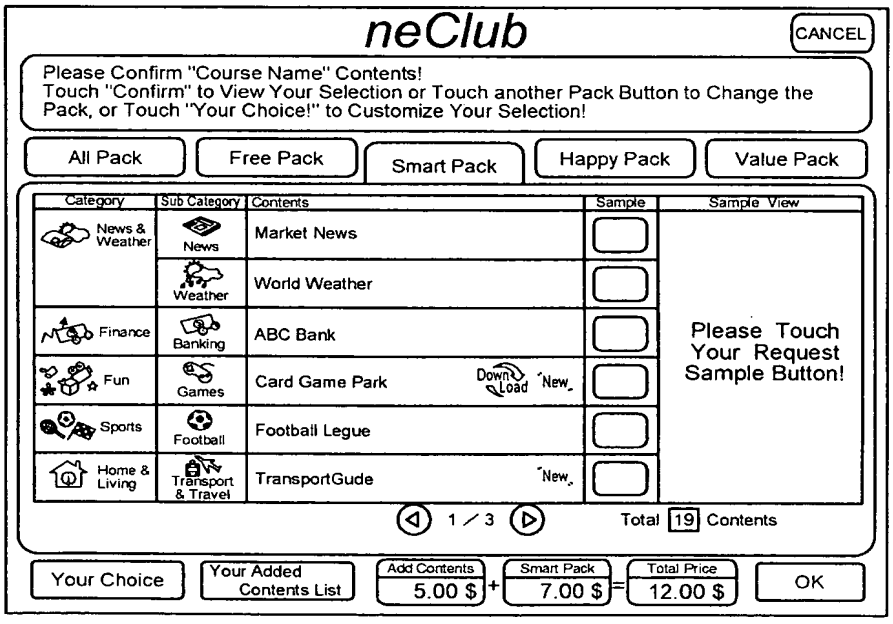

FIG. 15A

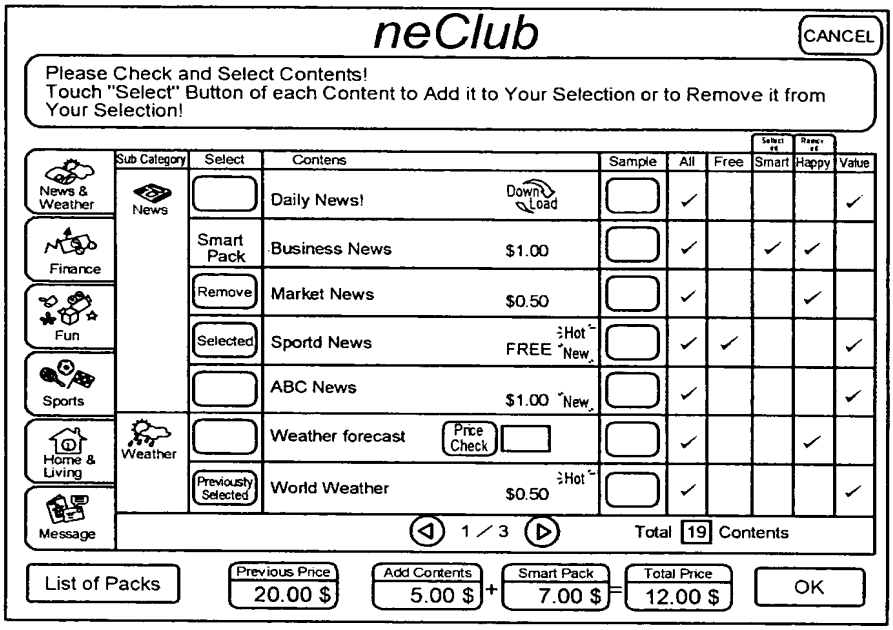

FIG. 15B

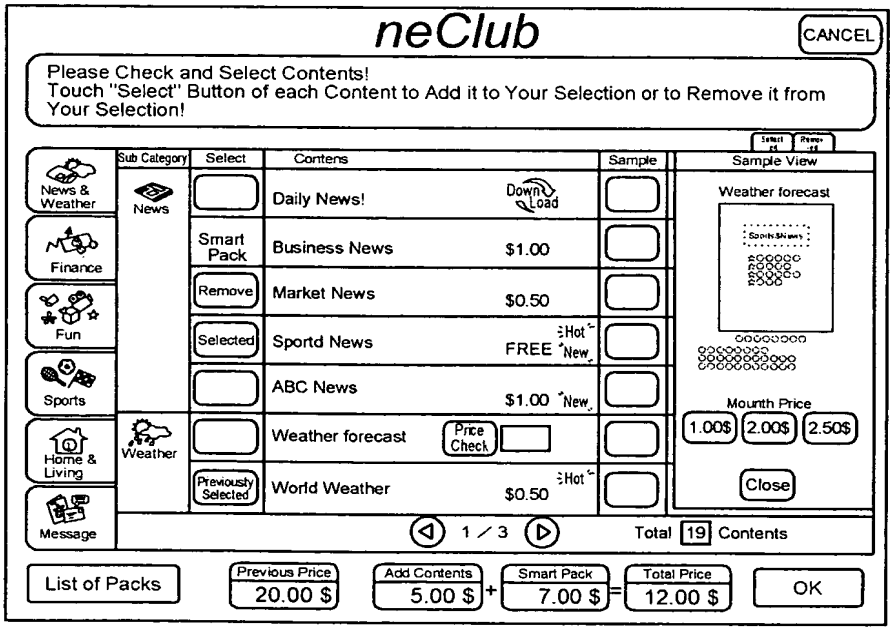

FIG. 16

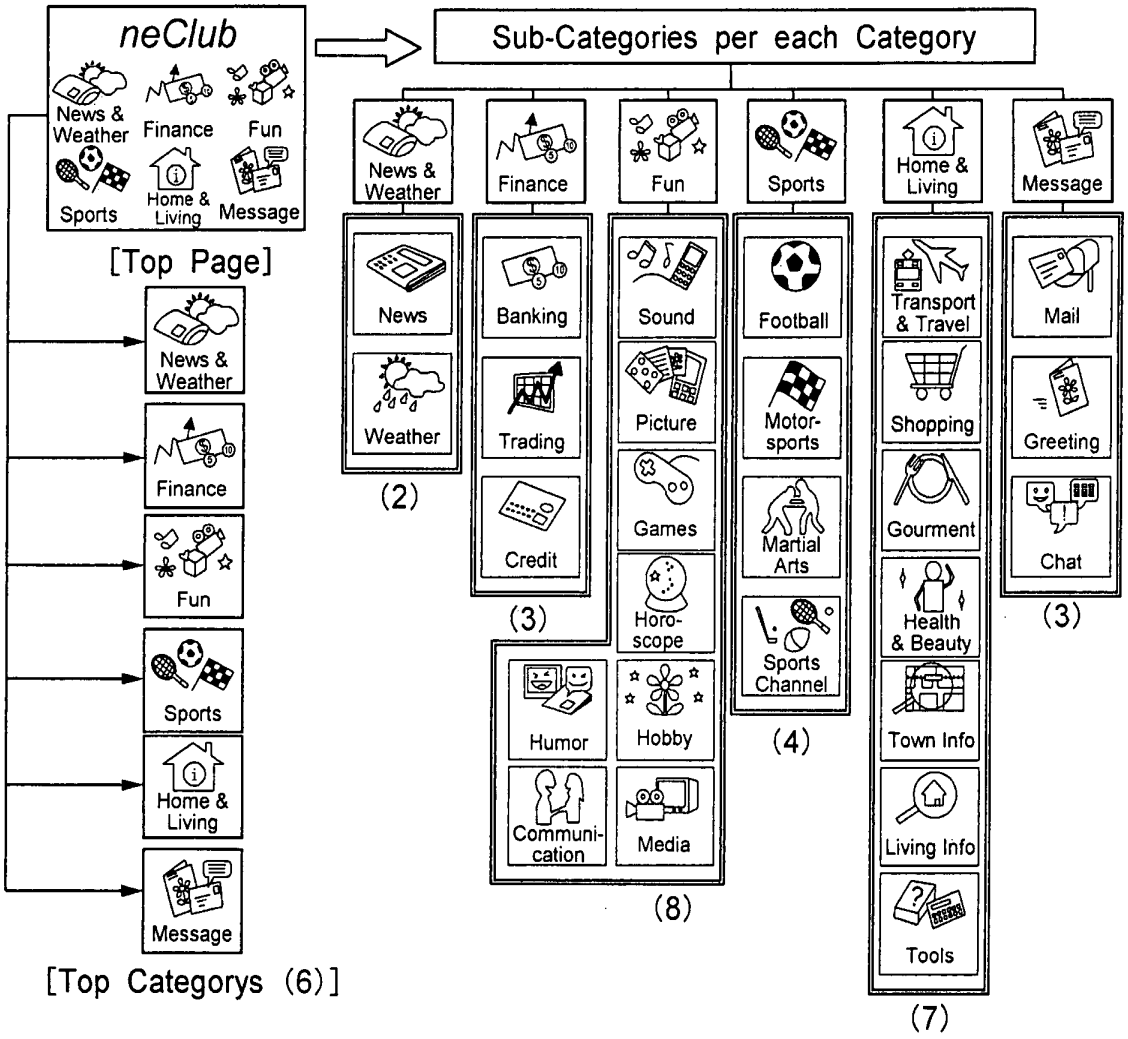
neClub
News & Weather
Finance
Fun
Sports
Home & Living
Message
[Top Page]
News & Weather
Finance
Fun
Sports
Home & Living
Message
[Top Categorys (6)]
Sub-Categories per each Category
News & Weather
Finance
Fun
Sports
Home & Living
Message
News
Weather
(2)
Banking
Trading
Credit
(3)
Sound
Picture
Games
Horo-scope
Humor
Hobby
Communi-cation
Media
(8)
Football
Motor-sports
Martial Arts
Sports Channel
(4)
Transport & Travel
Shopping
Gourment
Health & Beauty
Town Info
Living Info
Tools
(7)
Mail
Greeting
Chat
(3)

FIG. 17A

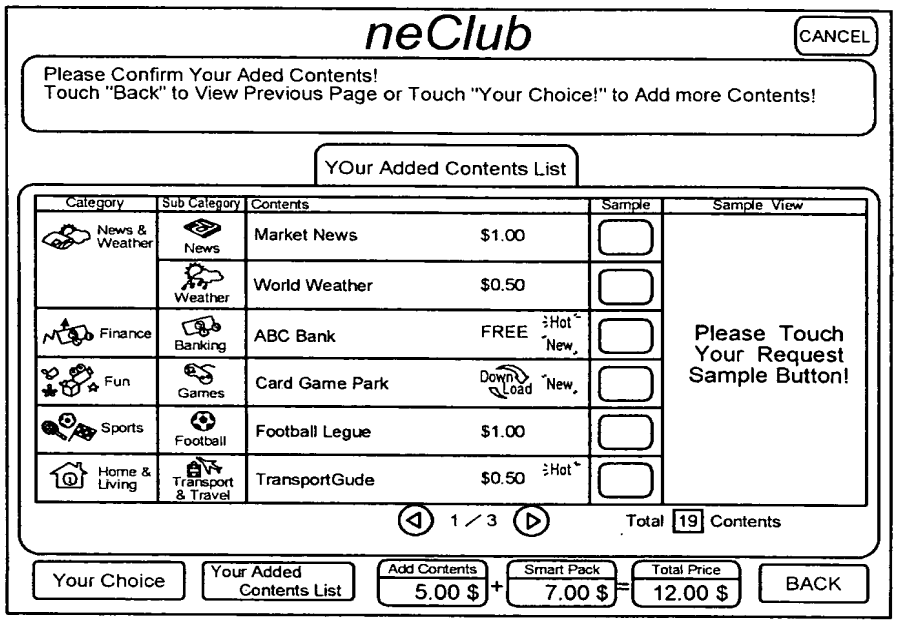

FIG. 17B

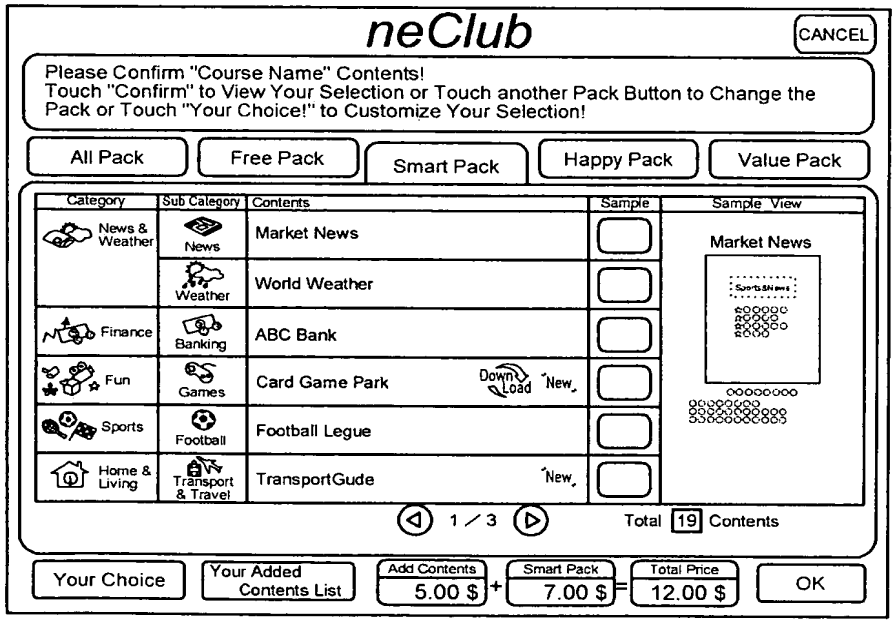

FIG. 18A

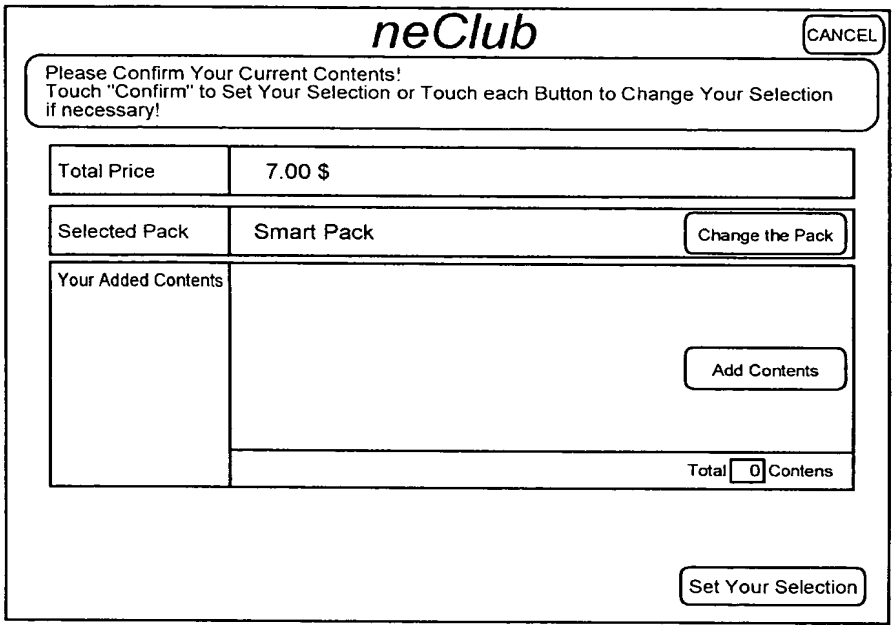

FIG. 18B

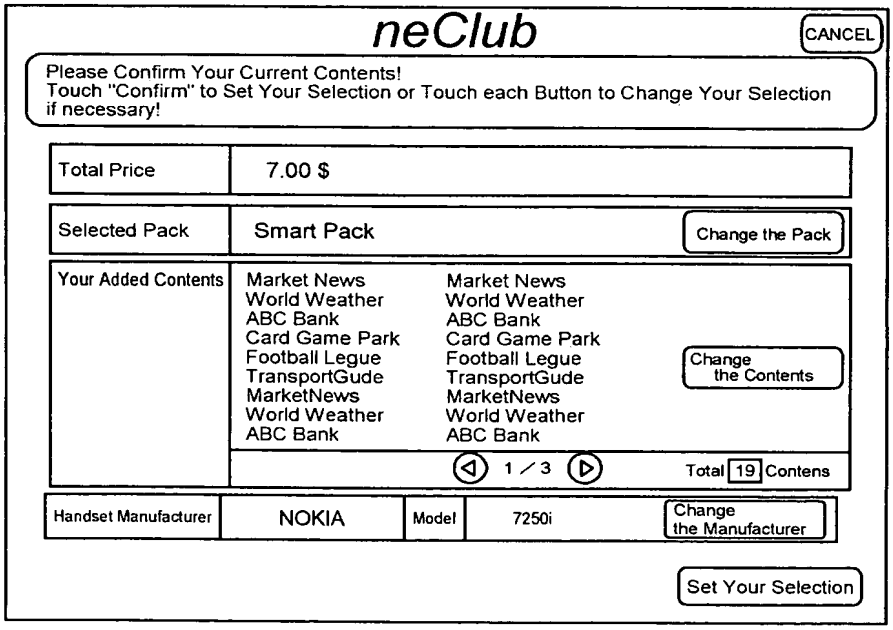

FIG. 19A

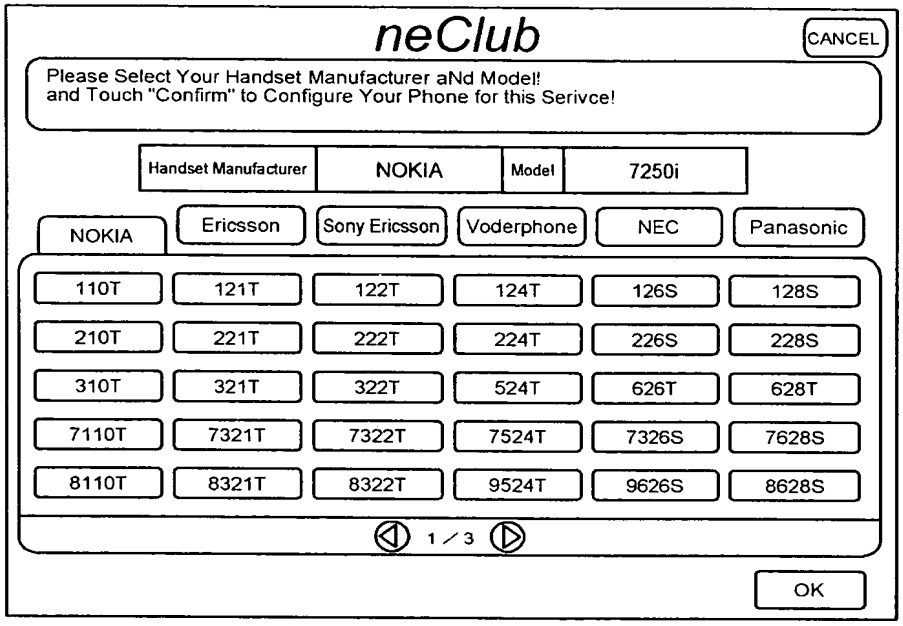

FIG. 19B

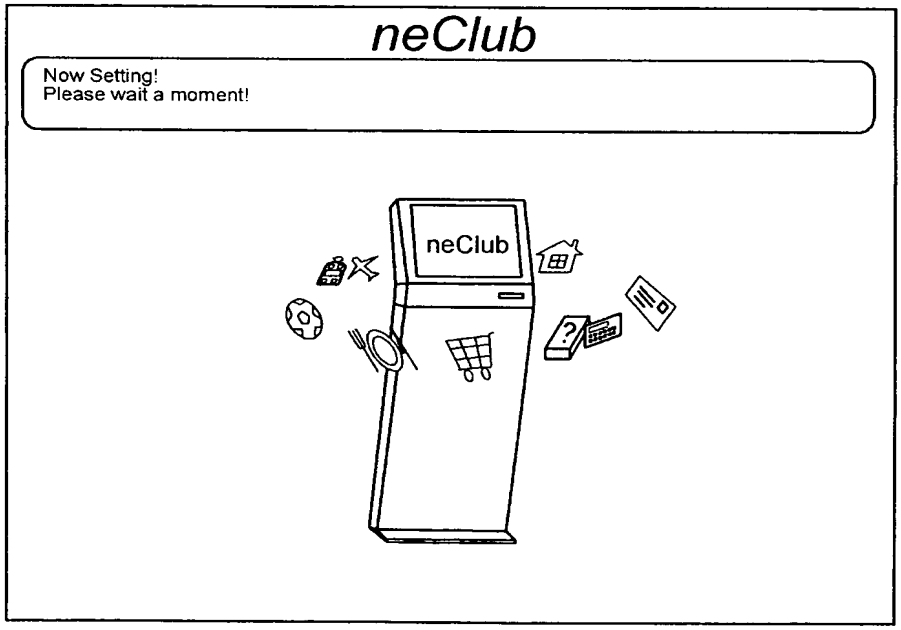

FIG. 20A

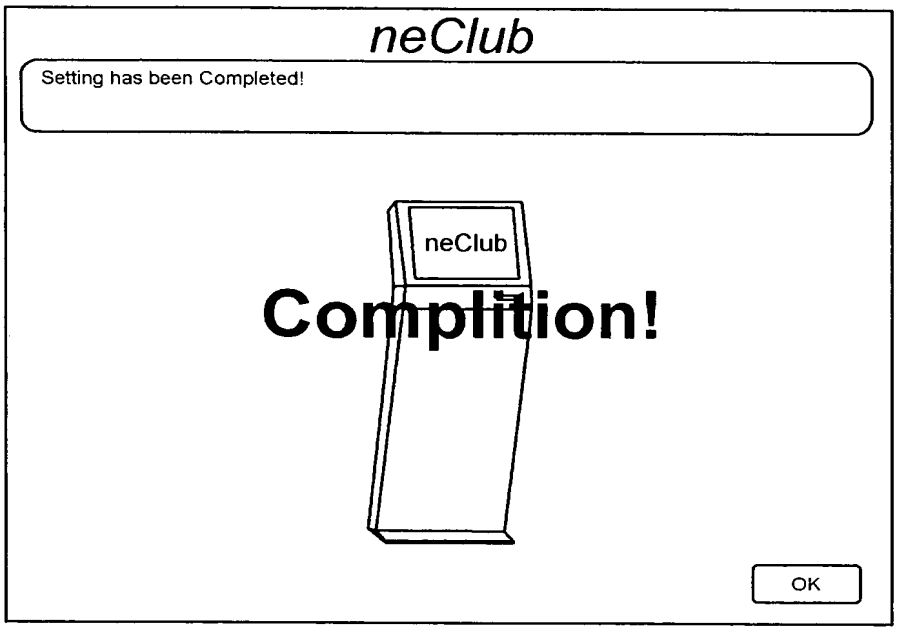

FIG. 20B

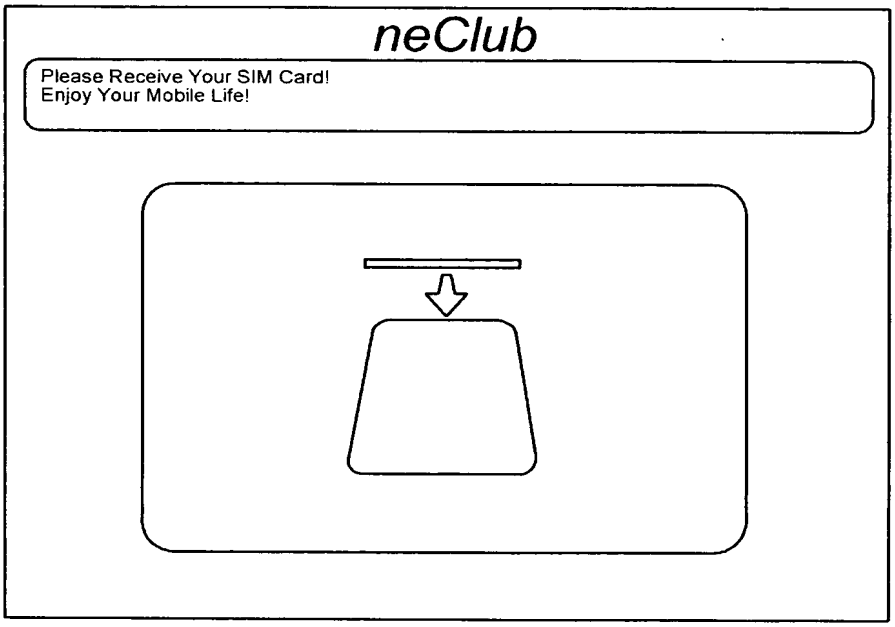

FIG. 21A

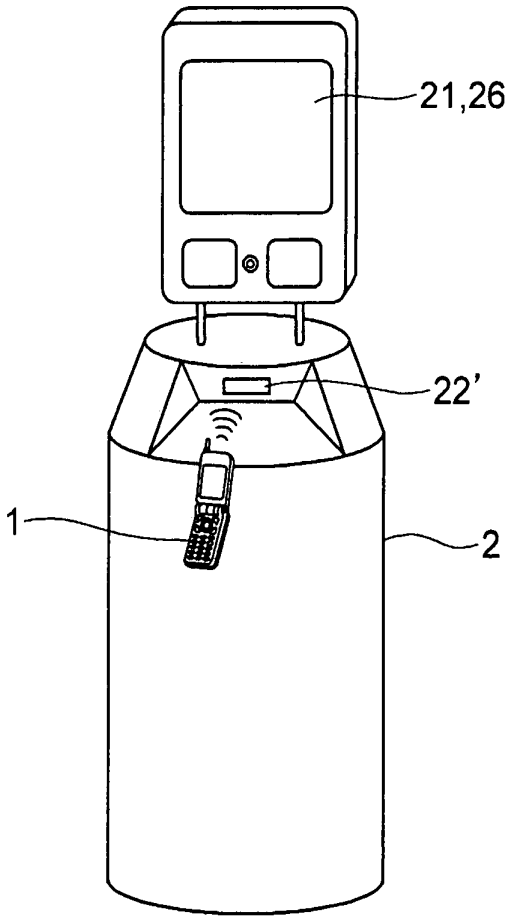
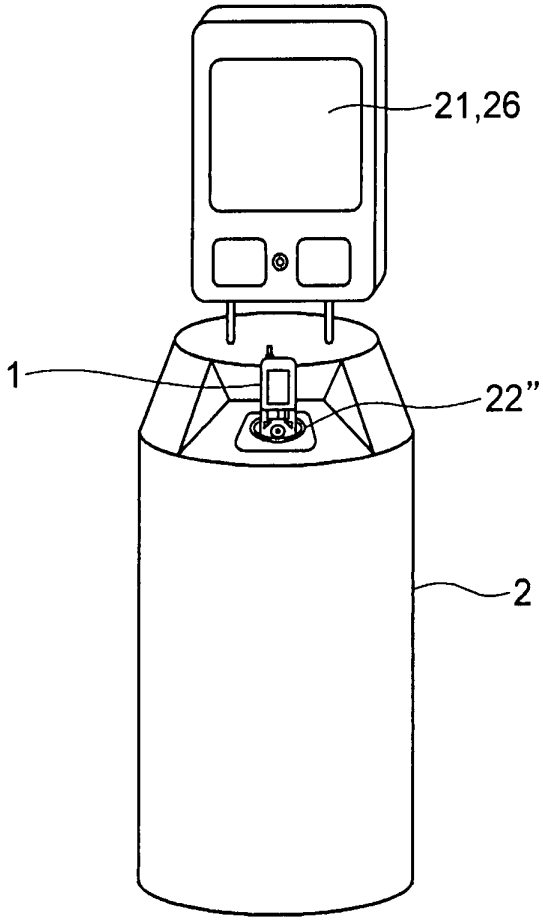
FIG. 21B